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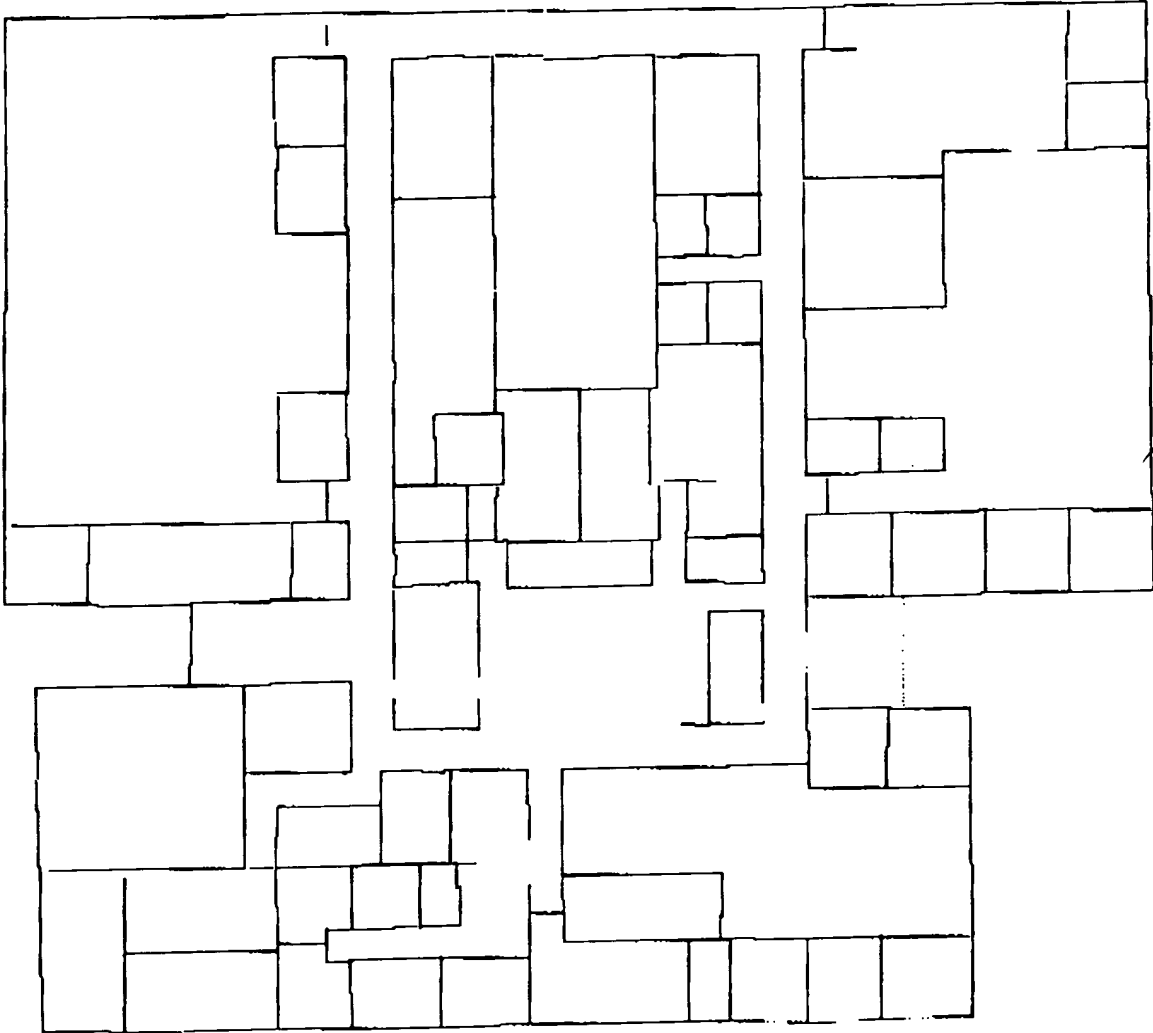


Figure #1

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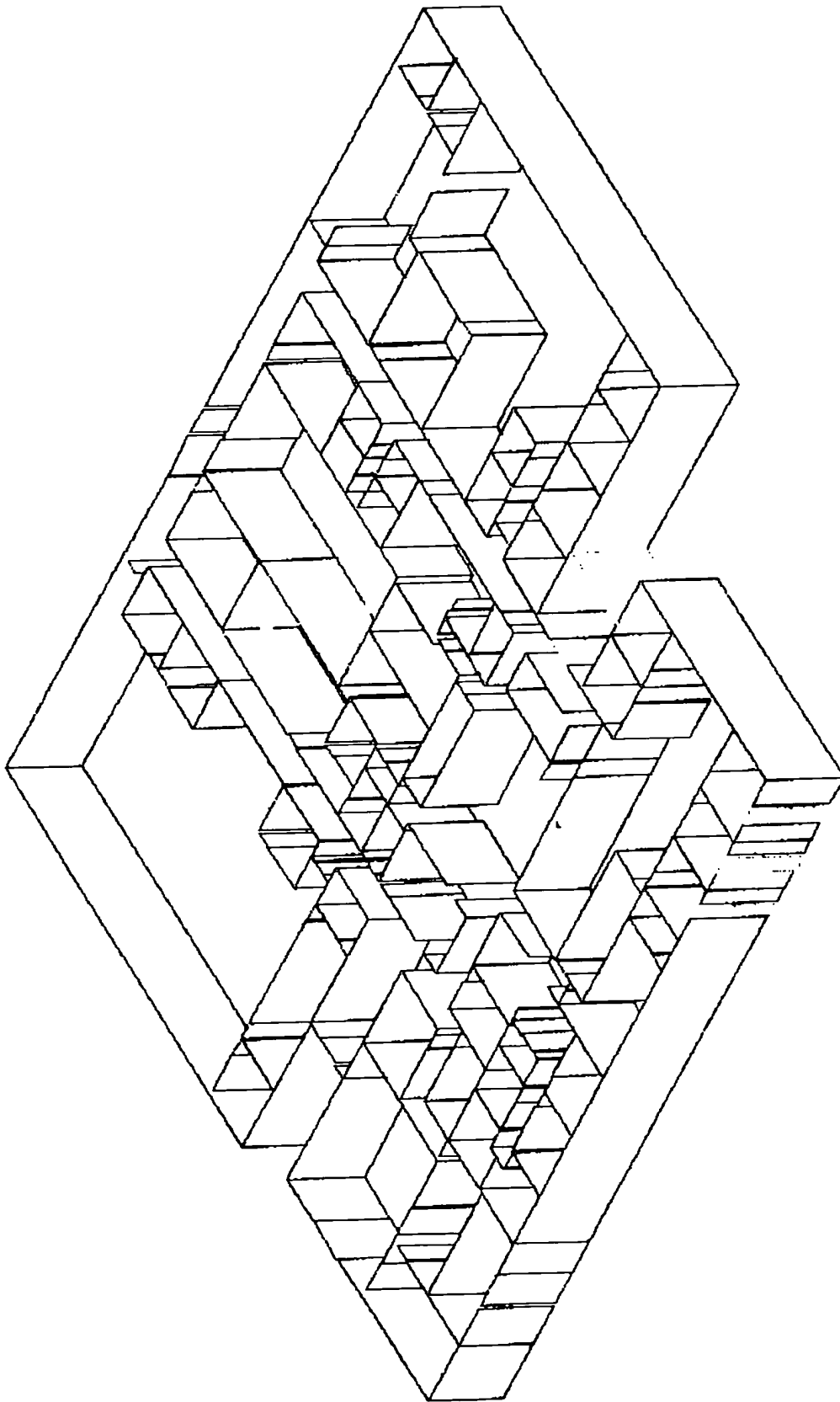


Figure 2

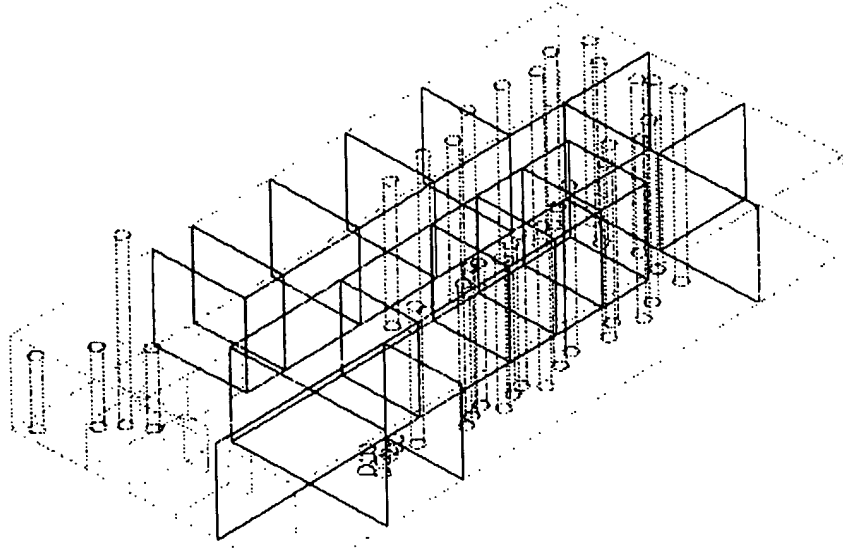


Figure 3

09632803-080400

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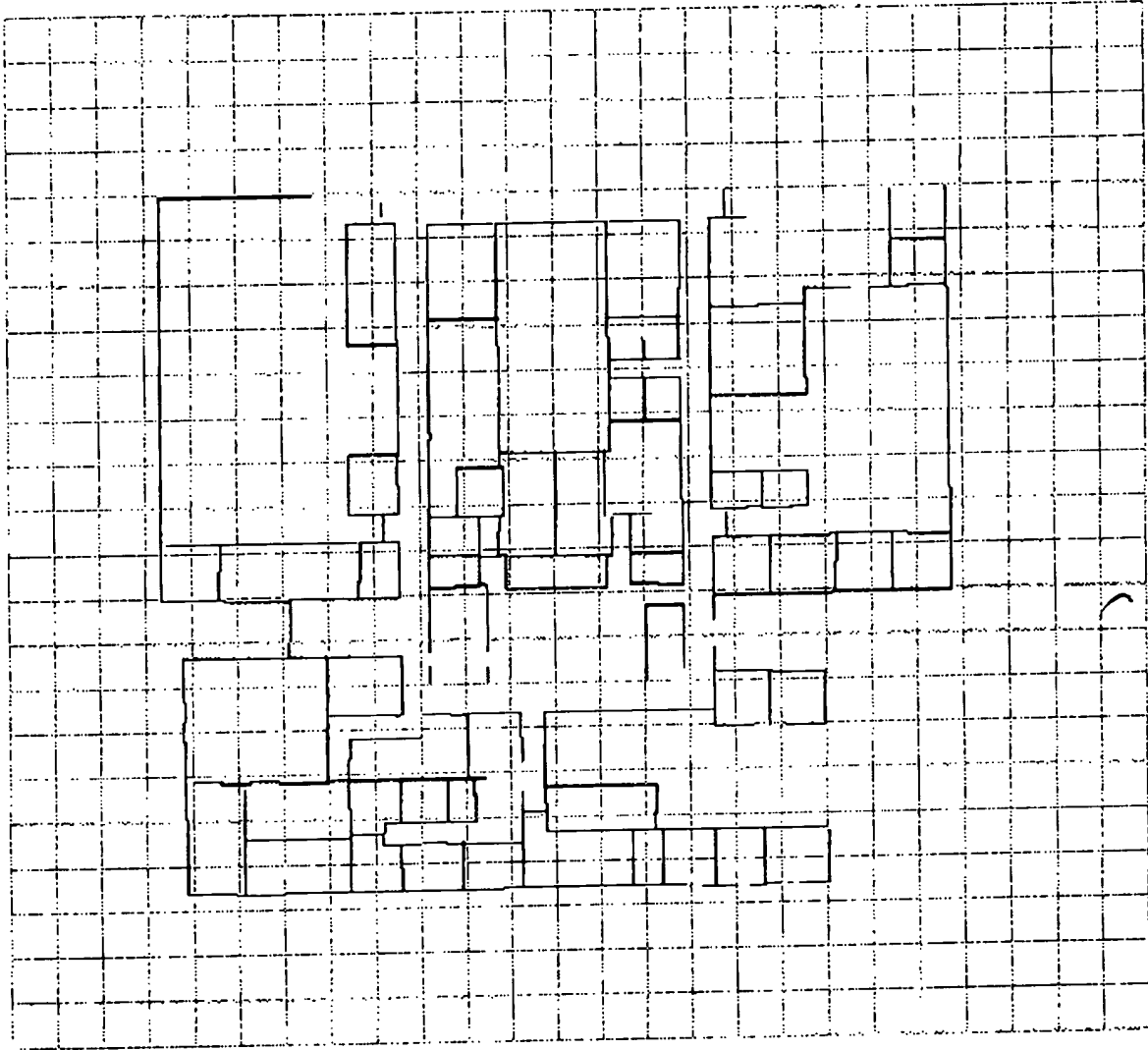
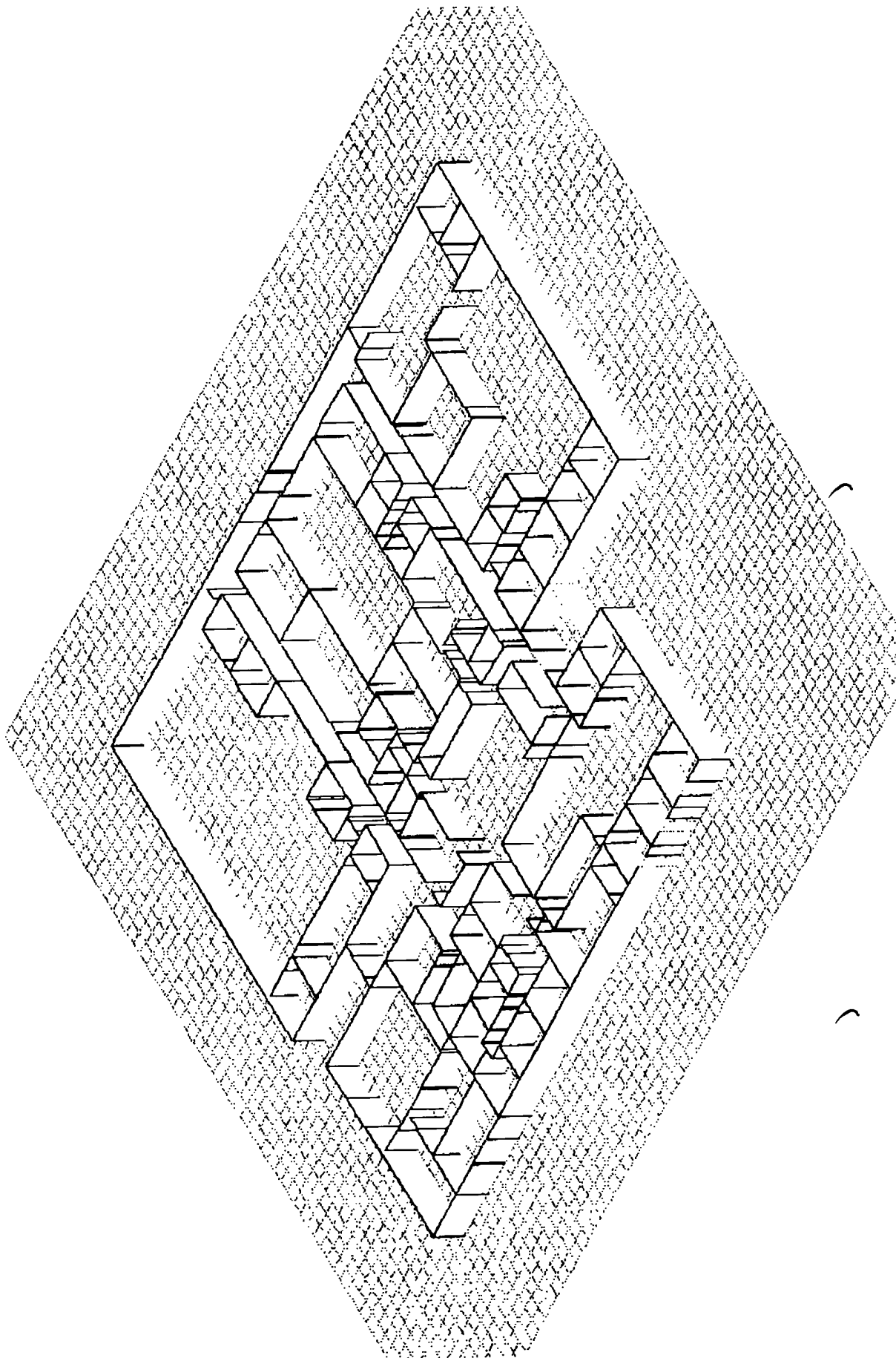


Figure 4

Figure 5



004080-1082960

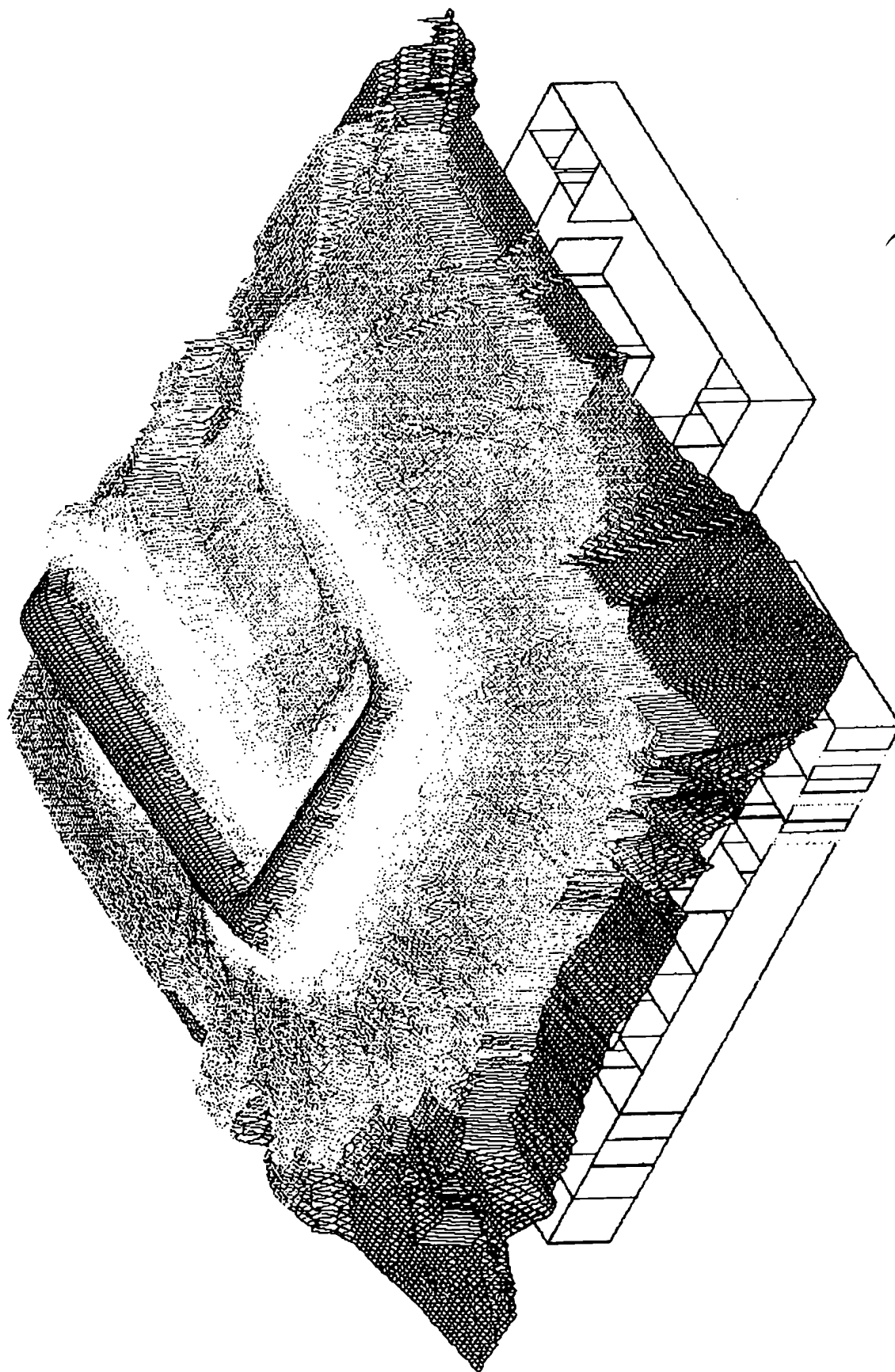


Figure 6

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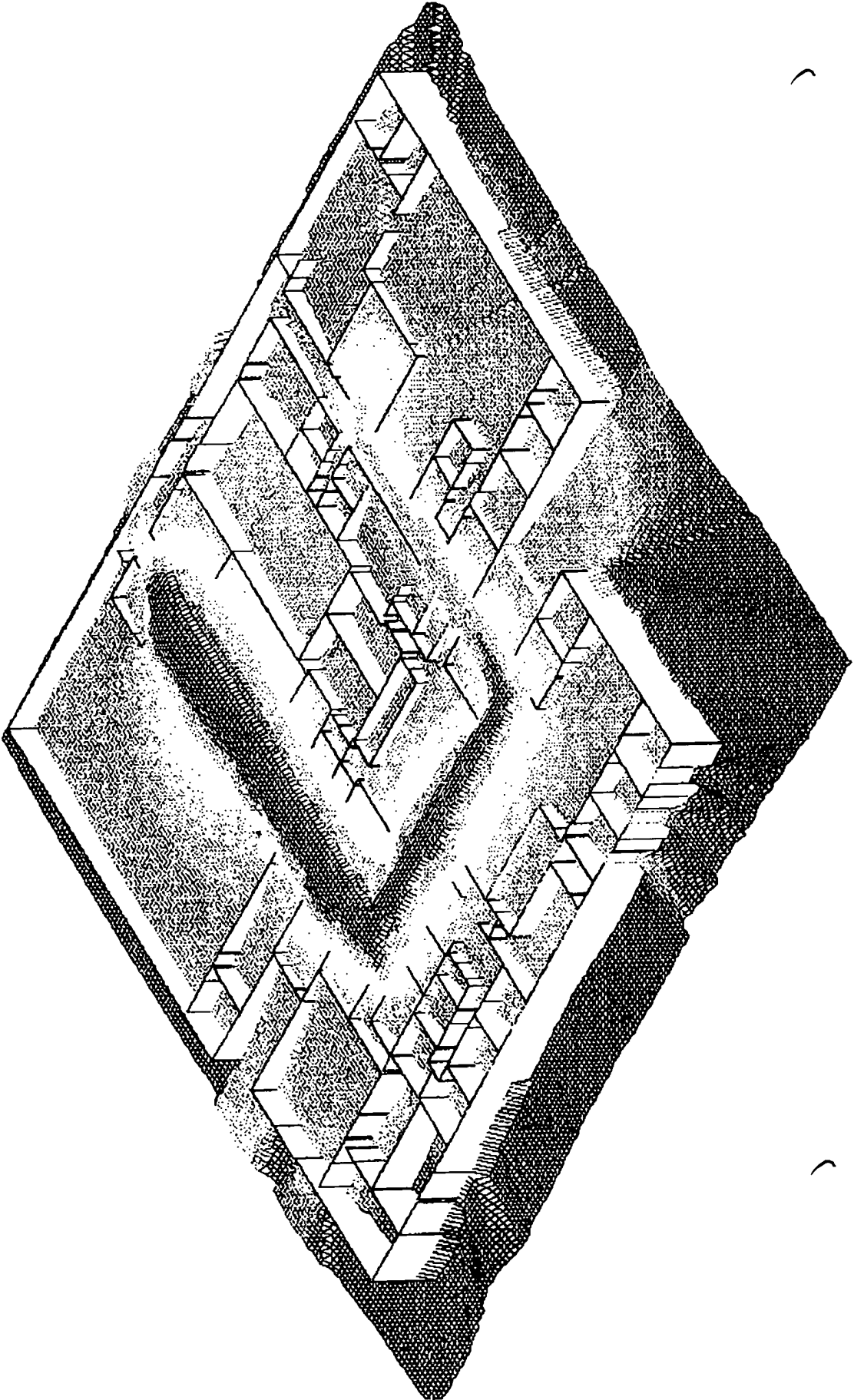


Figure 7

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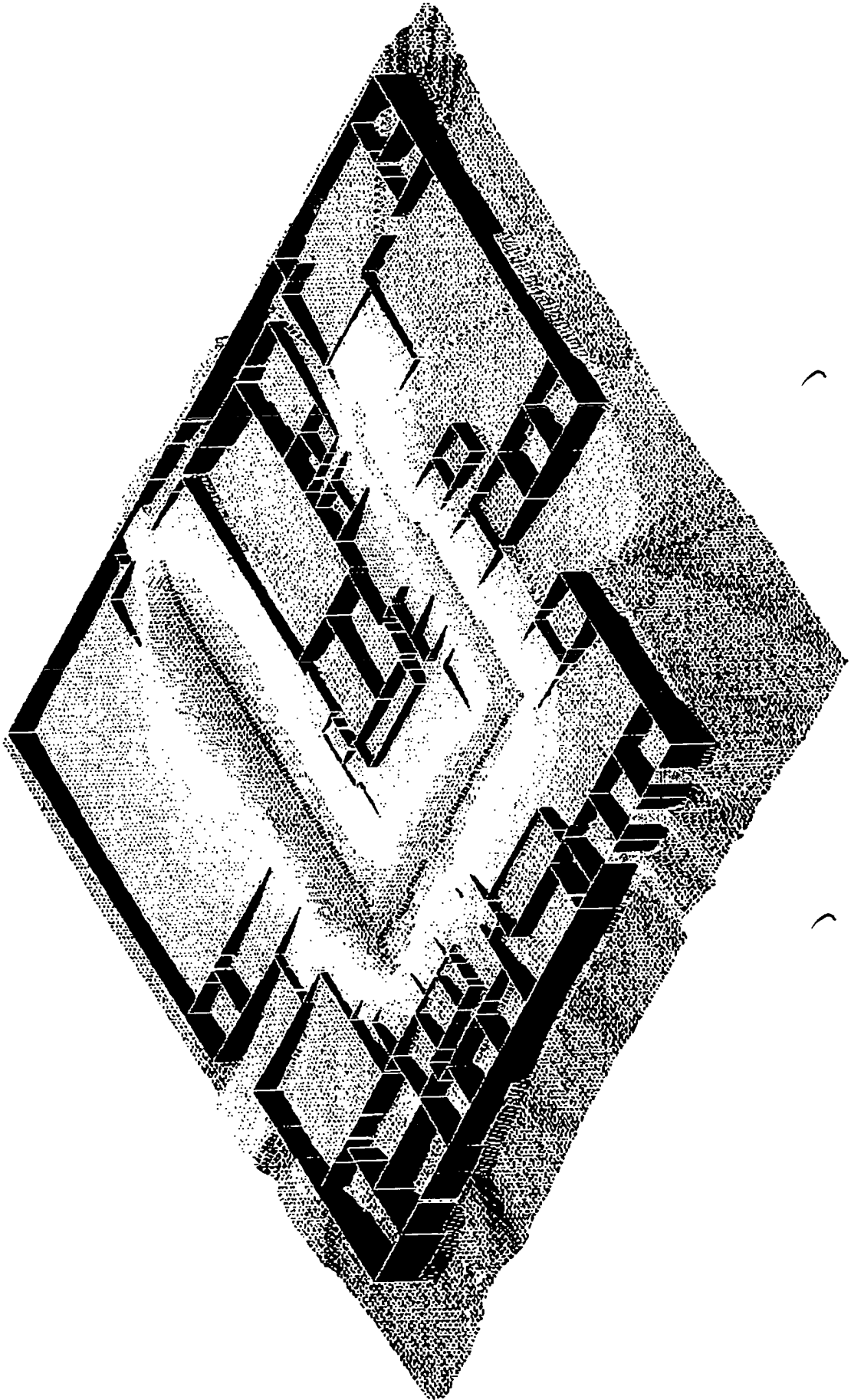


Figure 8

004080-0822960

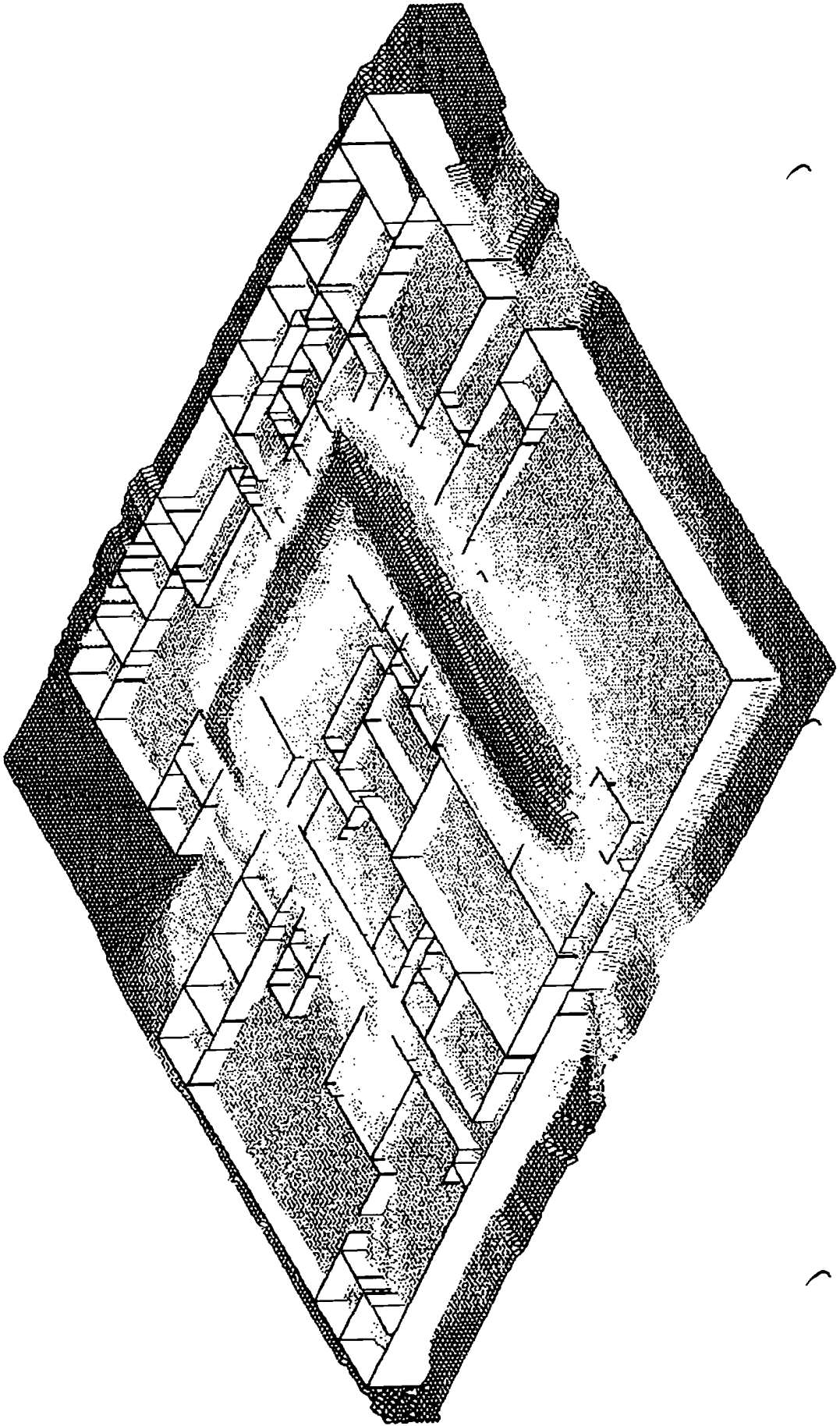


Figure 9

```

graph TD
    100[100. Create/Modify 3-D environment database] --> 110[110. Position selected RF hardware devices, including base station transceivers, cabling, amplifiers, splitters, etc., within the 3-D environmental database to form representations of complete wireless communication systems.]
    110 --> 120[120. Predict system performance within 3-D environment database]
    120 --> 130[130. Alter selected RF hardware devices, including base station transceivers, cabling, amplifiers, splitters, etc., within the 3-D environmental database to form representations of complete wireless communication systems.]
    130 --> 140[140. Predict system performance within 3-D environment database]
    140 --> 150[150. Calculate comparisons of performance predictions]
    150 --> 160[160. Store and/or display performance comparisons]
    160 --> Done[Done]
    160 -- "(Optional Loop)" --> 130

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001030-080400

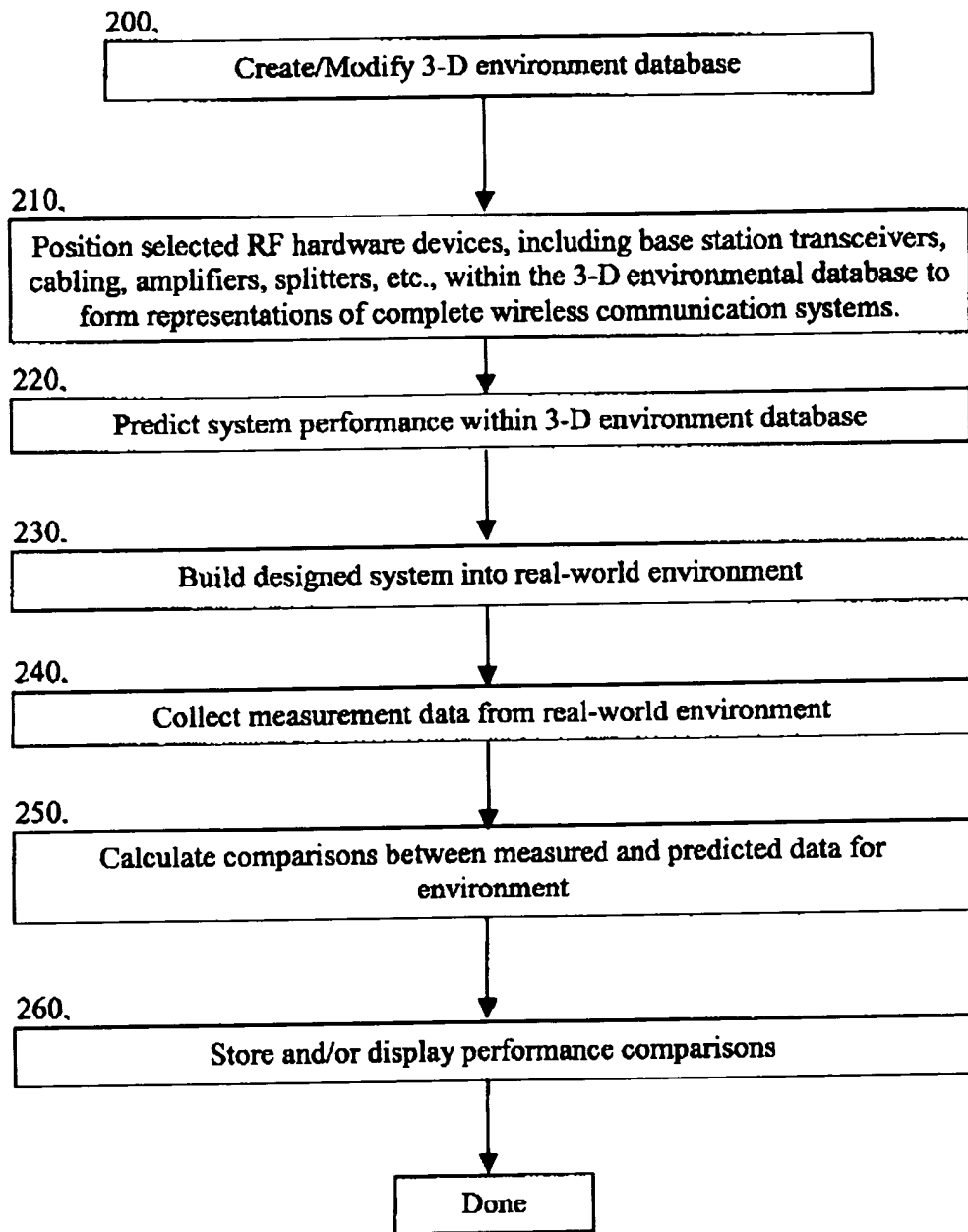


Figure 11

004003-020400

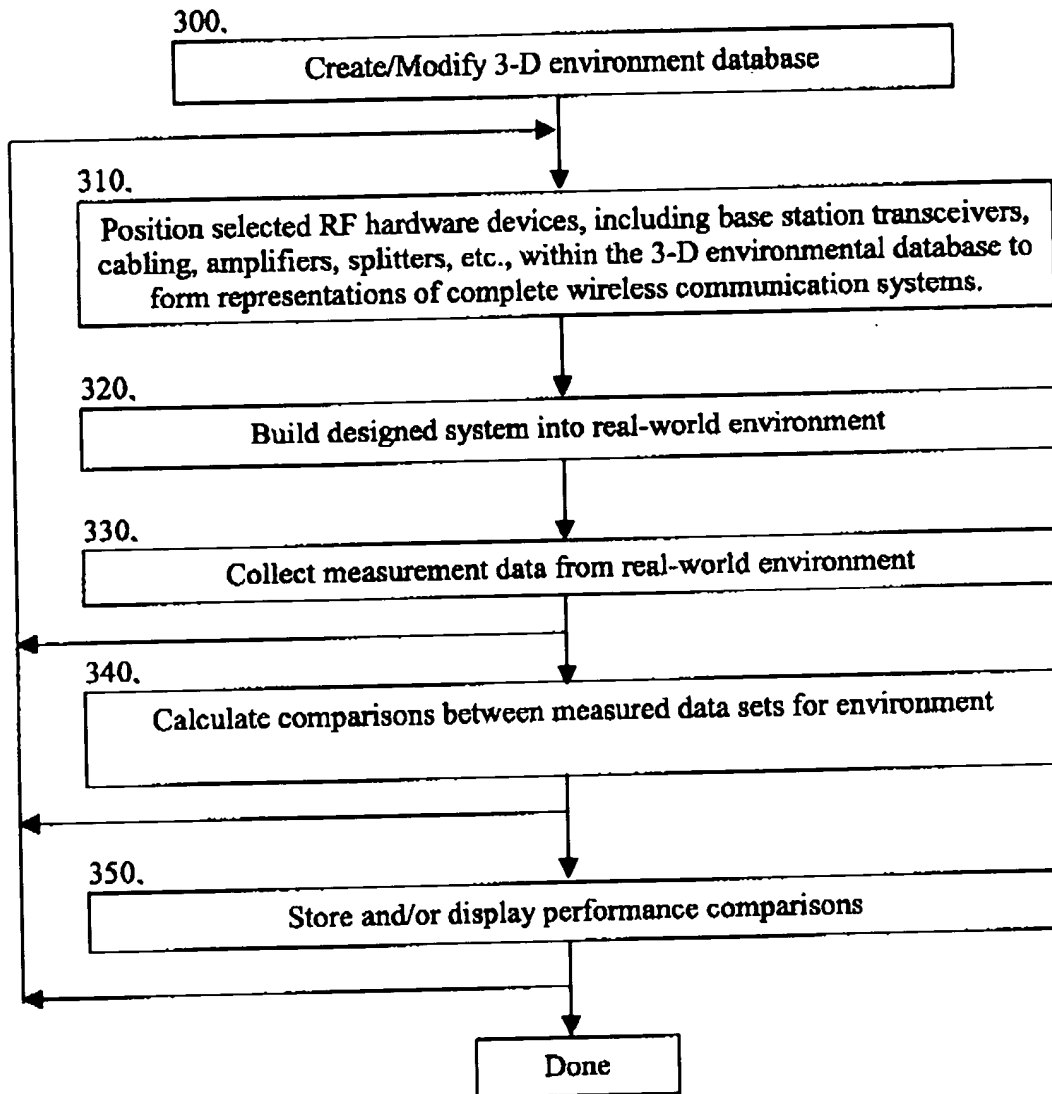


Figure 12

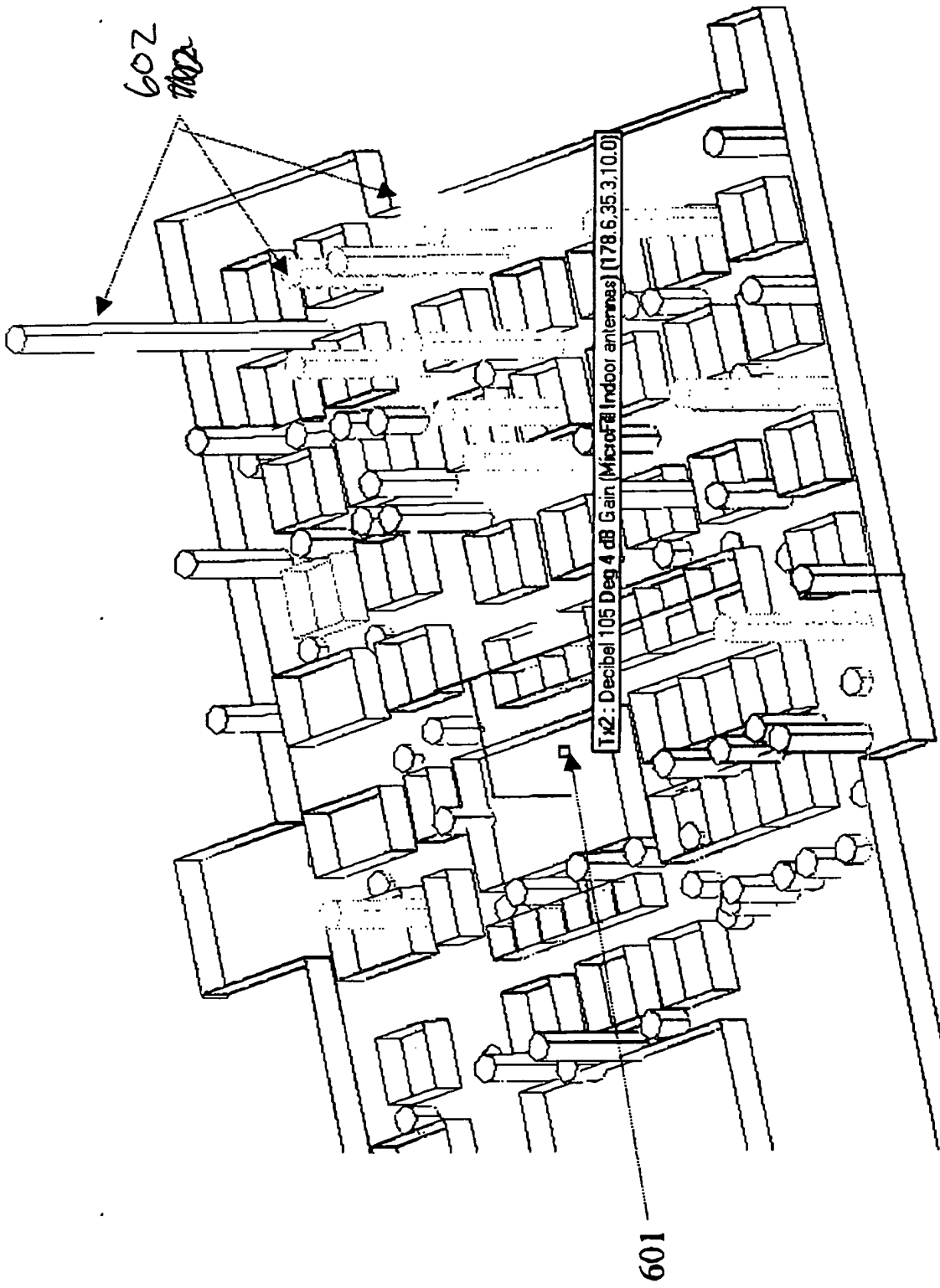


Figure 13

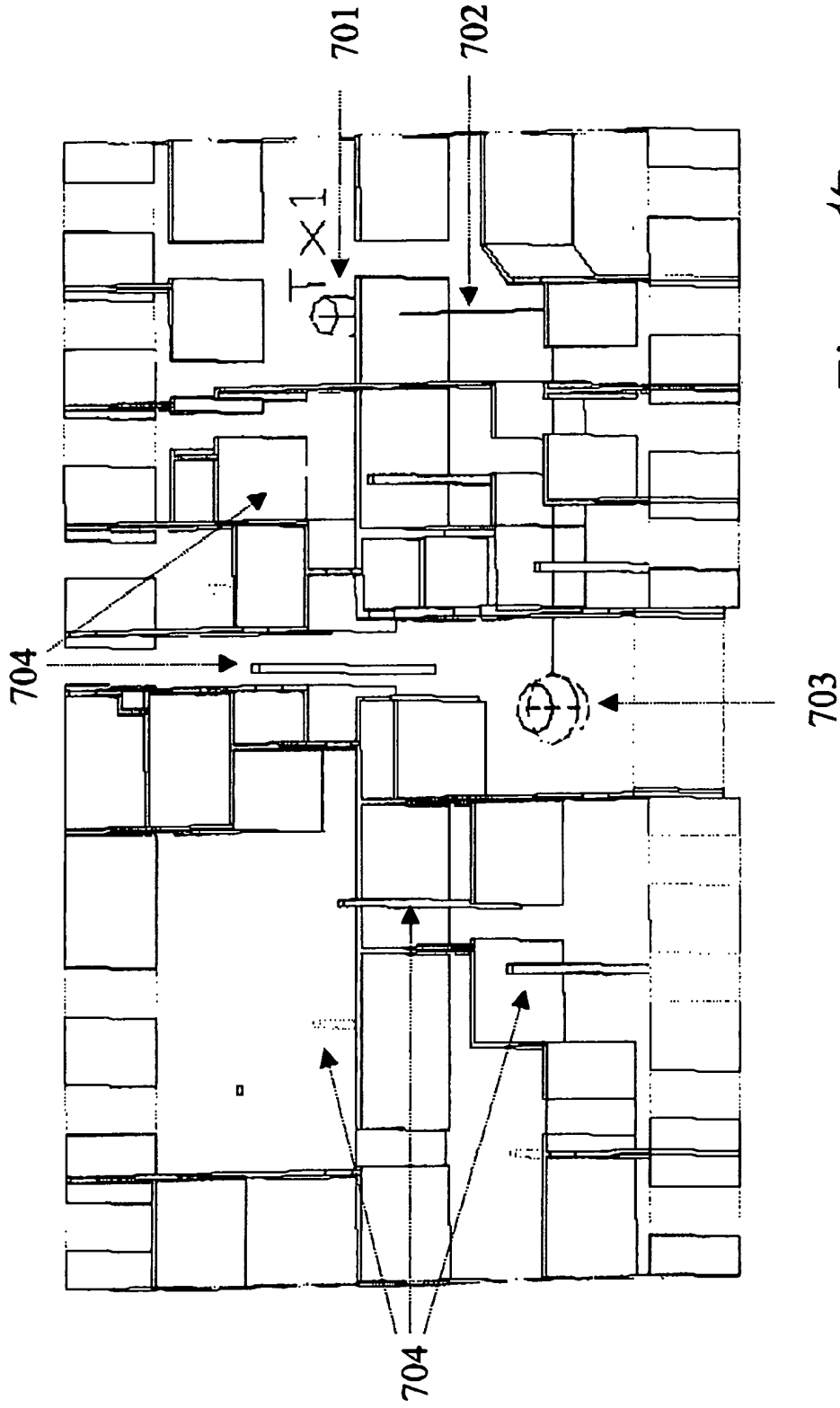


Figure 14